

Title (en)
FLUID COMPOSITION ANALYSIS MECHANISM, HEAT GENERATION AMOUNT MEASUREMENT DEVICE AND POWER PLANT, AND LIQUID COMPOSITION ANALYSIS METHOD

Title (de)
MECHANISMUS ZUR ANALYSE EINER FLÜSSIGKEITZUSAMMENSETZUNG, VORRICHTUNG ZUR MESSUNG EINER ERZEUGTEN WÄRMEMENGE UND KRAFTWERK DAMIT SOWIE VERFAHREN ZUR ANALYSE EINER FLÜSSIGKEITZUSAMMENSETZUNG

Title (fr)
MÉCANISME D'ANALYSE D'UNE COMPOSITION FLUIDIQUE, DISPOSITIF DE MESURE DE LA QUANTITÉ DE CHALEUR GÉNÉRÉE ET CENTRALE ÉLECTRIQUE, ET PROCÉDÉ D'ANALYSE D'UNE COMPOSITION LIQUIDE

Publication
EP 2752656 A4 20150429 (EN)

Application
EP 12829064 A 20120830

Priority
• JP 2011190702 A 20110901
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• JP 2012072015 W 20120830

Abstract (en)
[origin: US2013055697A1] A fluid composition analysis mechanism includes a light source for configured to irradiate excitation light to a sample fluid at a measurement position; a light receiving unit arranged on an extended line of the excitation light for configured to receive and disperse Raman scattering light generated from the sample fluid irradiated with the excitation light; a Raman scattering light collection optical system arranged on an optical path for the excitation light or on the extended line of the excitation light configured to collect the Raman scattering light generated at the measurement position and to cause the condensed Raman scattering light to be incident on the light receiving unit; a calculation unit configured to calculate a composition of the sample fluid based on an output of the light receiving unit; and a light shielding member arranged on the optical path or on the extended line of the excitation light.

IPC 8 full level
G01N 21/65 (2006.01); **G01N 21/85** (2006.01)

CPC (source: EP US)
G01N 21/65 (2013.01 - EP US); **G01N 21/85** (2013.01 - EP US)

Citation (search report)
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• [YD] JP 2002286644 A 20021003 - MITSUBISHI HEAVY IND LTD
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• [A] "Raman Spectroscopy for Chemical Analysis", 1 September 2000, JOHN WILEY & SONS, INC., Hoboken, NJ, USA, ISBN: 978-0-47-125287-0, article RICHARD L. MCCREERY: "SAMPLING MODES IN RAMAN SPECTROSCOPY", pages: 95 - 125, XP055177112, DOI: 10.1002/0471721646
• See references of WO 2013031896A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
US 2013055697 A1 20130307; CN 103688158 A 20140326; CN 103688158 B 20160706; EP 2752656 A1 20140709; EP 2752656 A4 20150429; EP 2752656 B1 20200101; JP 5848352 B2 20160127; JP WO2013031896 A1 20150323; KR 101789364 B1 20171023; KR 20140028115 A 20140307; WO 2013031316 A1 20130307; WO 2013031896 A1 20130307

DOCDB simple family (application)
US 201213482565 A 20120529; CN 201280035921 A 20120830; EP 12829064 A 20120830; JP 2012063784 W 20120529; JP 2012072015 W 20120830; JP 2013531396 A 20120830; KR 20147002044 A 20120830